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Figures:

Figure 1. Proton NMR spectrum for (2).

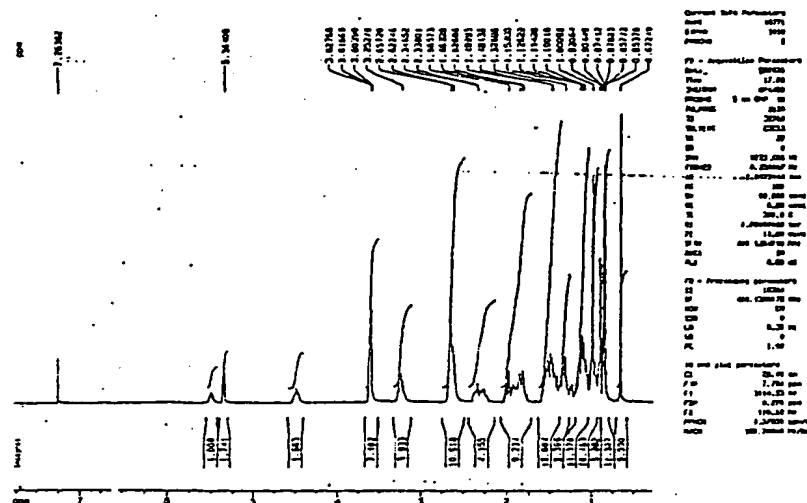
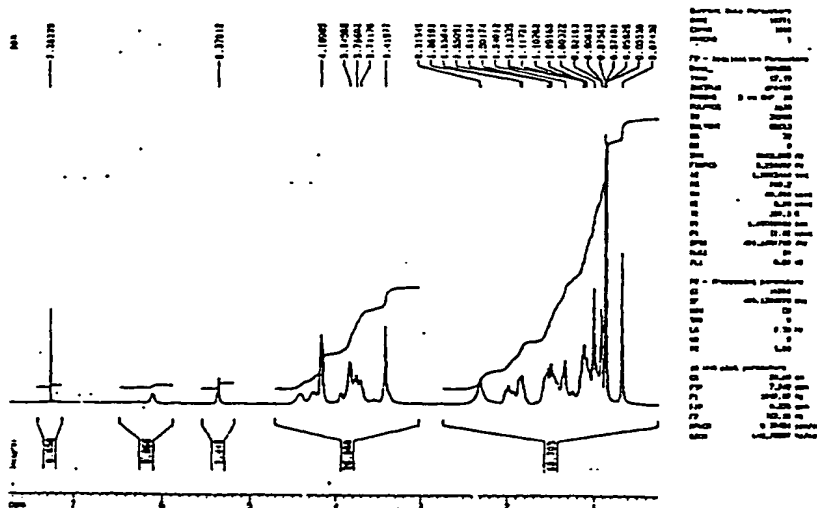
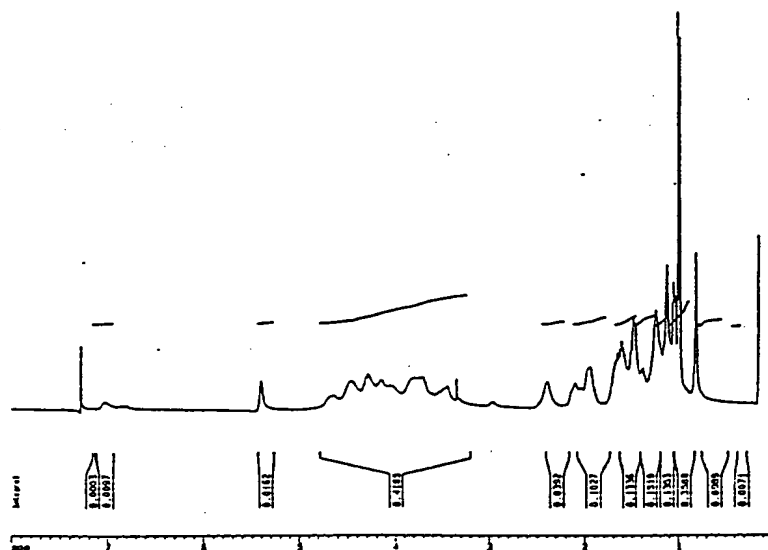


Figure 2. Proton NMR spectrum for (3).





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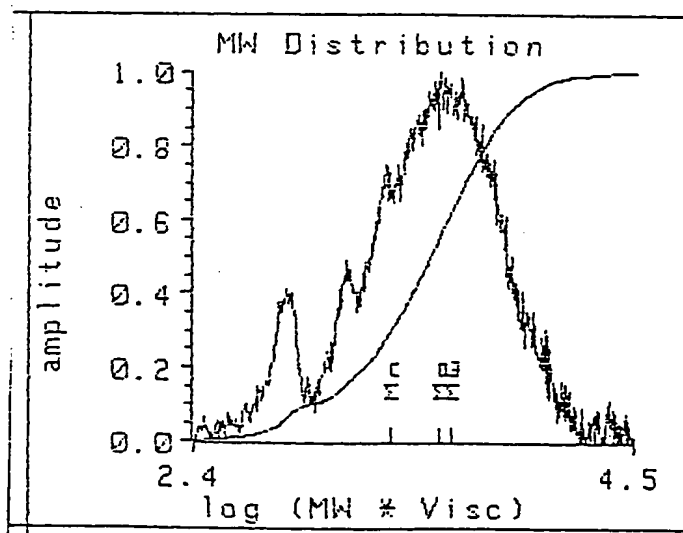


Figure 5. Cytotoxicity of PCEP on HeLa cells.

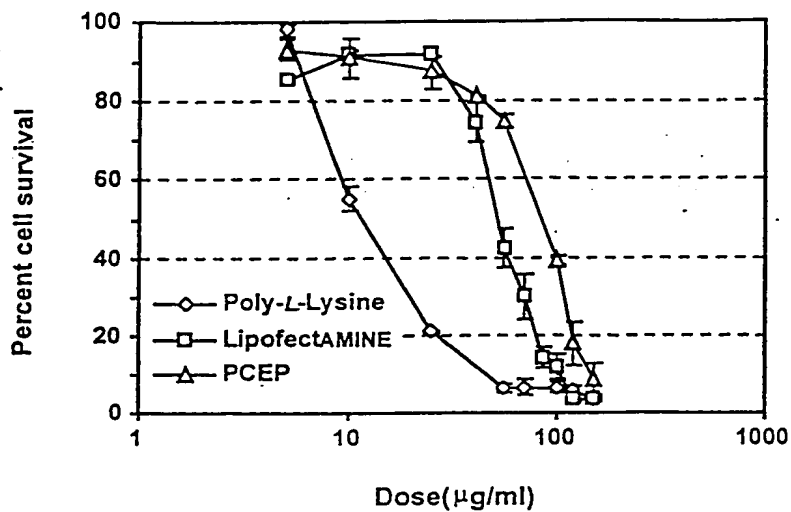


Figure 6. Size report of PCEP micelles.

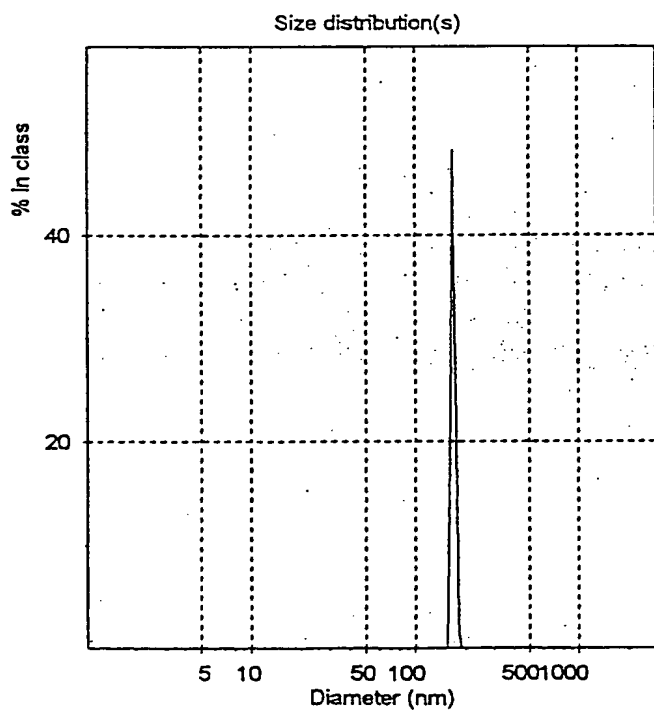


Figure 7. Effect of PCEP/DNA ratio on the average size of complexes.

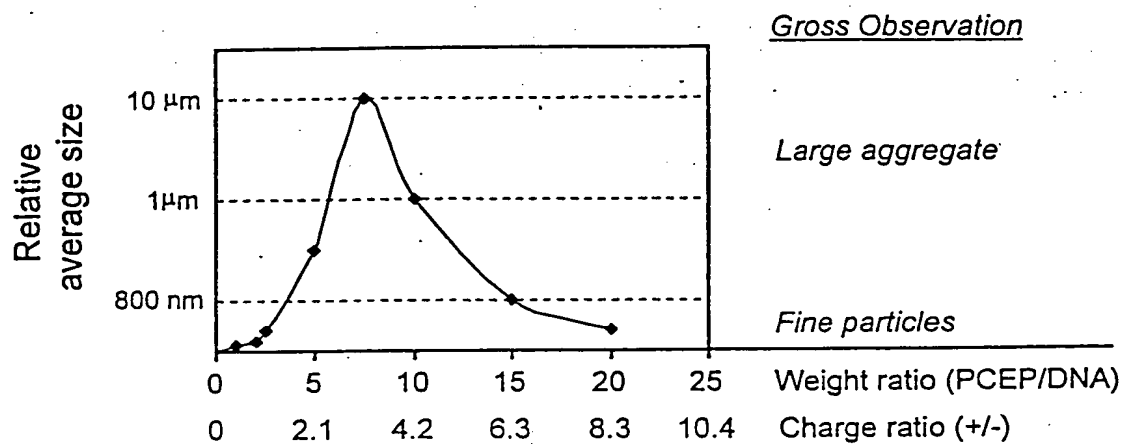


Figure 8. Size report of PCEP-DNA complexes.

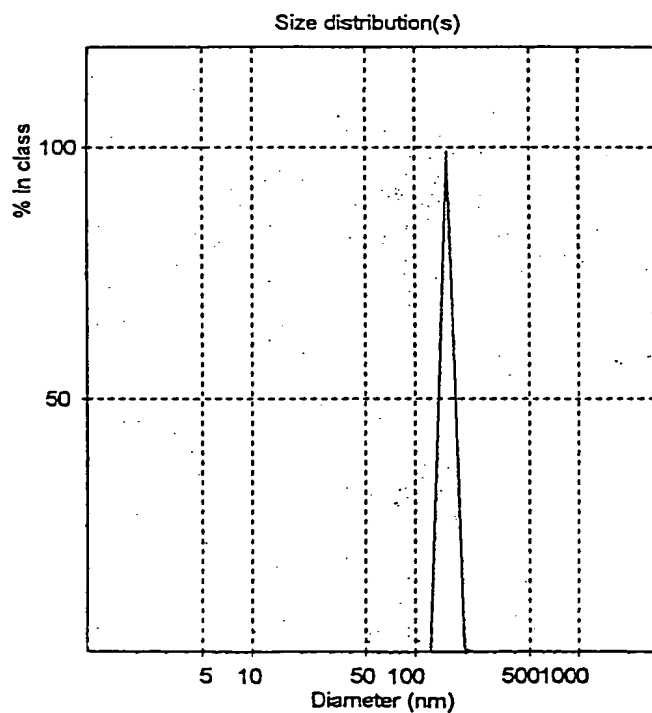


Figure 9. Agrose electrophoresis of pRE-Luciferase DNA after complexed with PPEC.

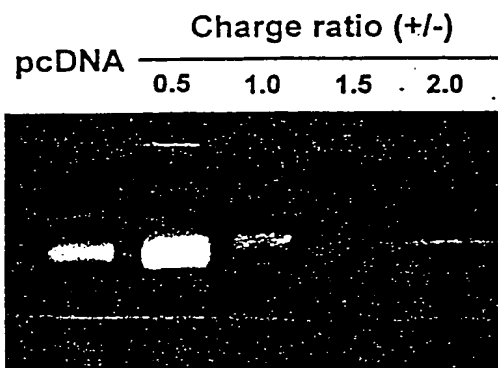


Figure 10. Preparation condition on the transfection efficiency

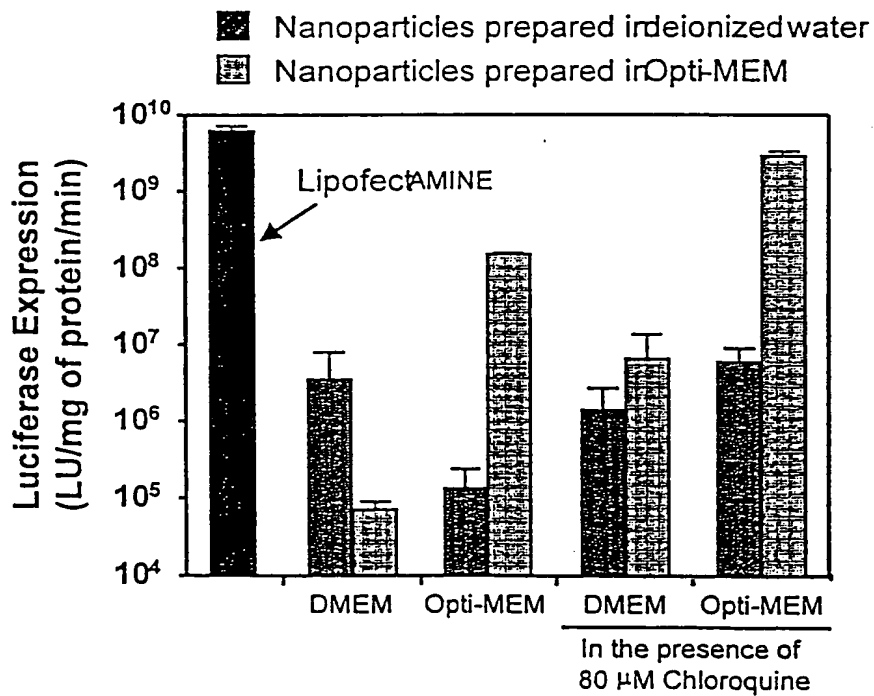


Figure 11. Effect of chloroquine on transfection efficiency of the PCEP-DNA nanoparticles

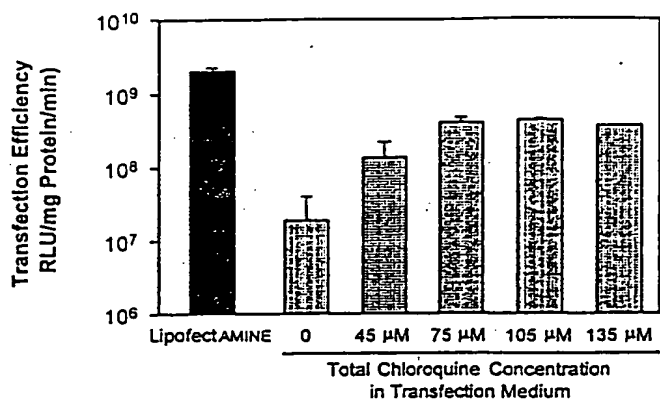


Figure 12. Preparation condition on the transfection efficiency

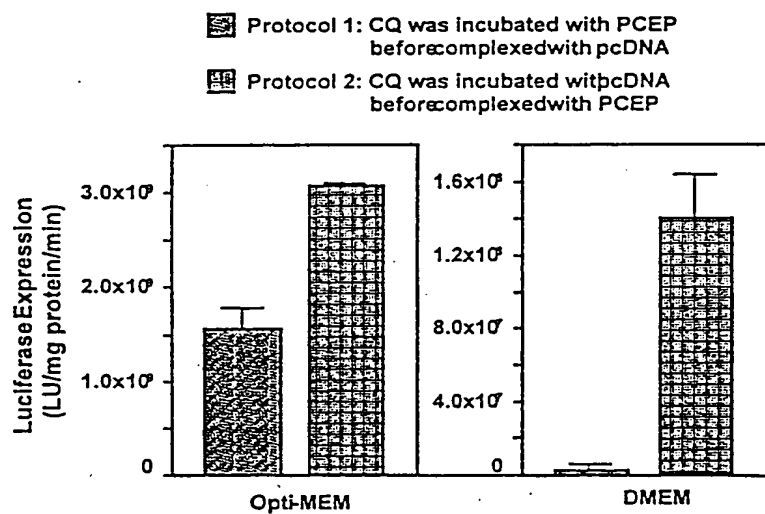


Figure 13. Effect of charge ratio on transfection efficiency of the PCEP-DNA nanoparticles

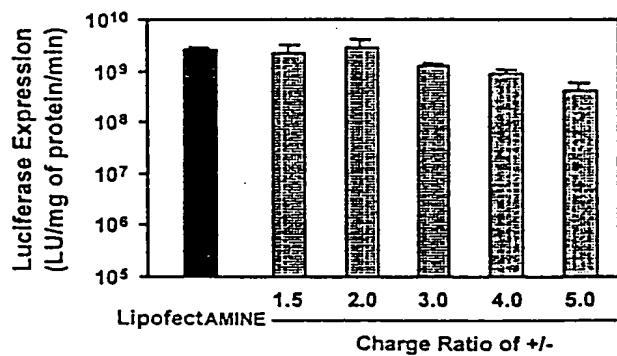


Figure 14. Dose response of transfection efficiency of the PCEP-DNA complexes.

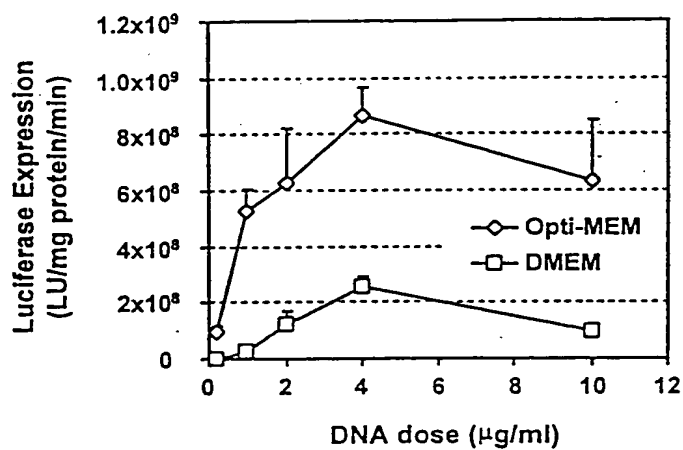


Figure 15. Effect of charge ratio on transfection efficiency of the PCEP-DNA complexes on HeLa cells.

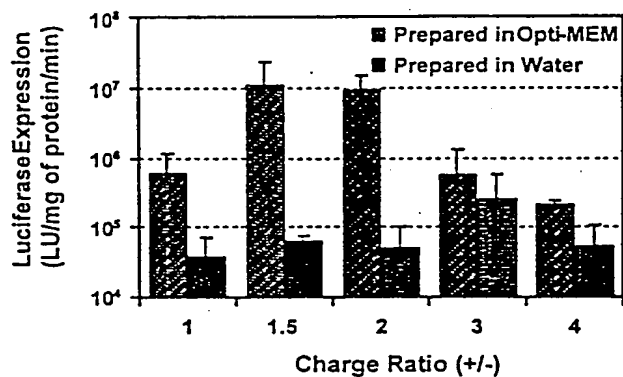


Figure 16. Transfection efficiency of the PCEP-DNA complexes on CaCO-2 cells.

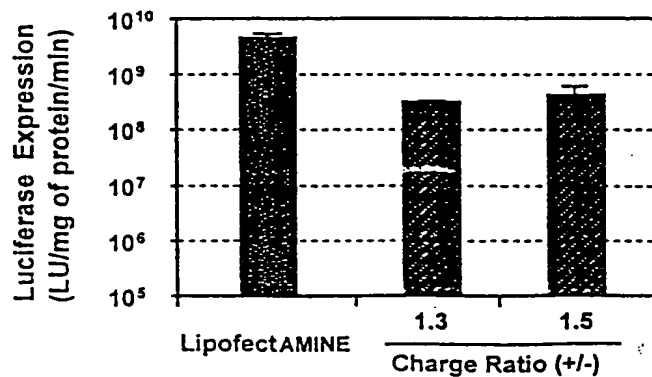


Figure 17. Storage stability of PCEP-DNA complexes. The complexes were stored at different temperature for three days before the transfection was performed.

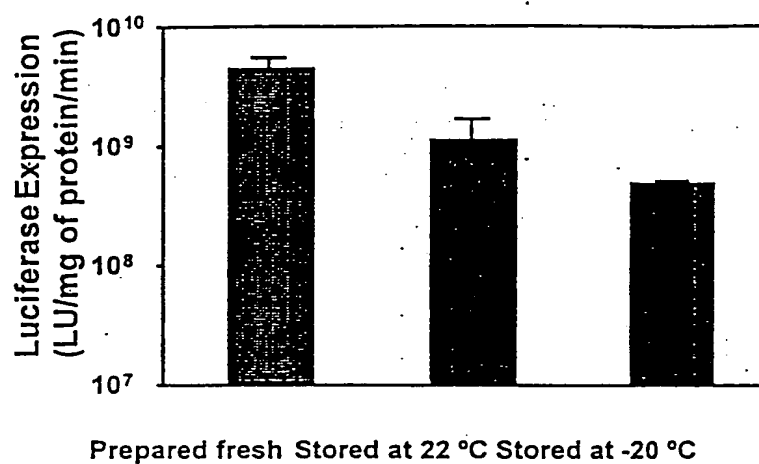




FIG. 18

